Liquid for Cleansing Metals.—One of the first operations in finishing metallic work after it comes from the casting, or from the hammer, is to free it from the coat of oxide which adheres to it; this is done generally by keeping it for some time in water, strongly acidulated with sulphuric or muriatic acid. But an inconvenience in this process arises from the fact that the metal is liable to be attacked on its lines and angles, and wherever it presents a point or edge. Hence arises a double loss, both of the acid employed and of the metal. MM. Thomas and Dellisse state that they have succeeded in avoiding these inconveniences, by combining with the acid of the bath certain organic matters which have the property of preventing, or at least of considerably diminishing, the influence on the metal of the acids. According to them, glycerine, artificial tannin, napthaline, and creosote attain this end. In the baths thus composed, the scale of oxide detaches itself without dissolving, and without the metal being attacked, so that the pieces may remain in the bath as long as may be desired without alteration. These facts, announced by MM. Thomas and Dellisse, are corroborated by the experiments of M. Flachat, chief engineer of the Versailles and St. Germain Railroad. M. Mertain, proprietor and director of the forges of Montataire, and M. S. Falatieu, forge master at Bains, testify that they have tried this process upon sheet iron, and have adopted it to the exclusion of all others. The economy of this process, compared with the former ones, is about two-thirds of the acid employed, and 50 per cent. of the loss of metal in cleaning.—*Bull Soc. Enc, Indus. Nat.*

The American Art-Union (New York) have erected a gallery in that city for the reception of paintings purchased for distribution. It is 84 feet long and 24 feet wide, and is said to be superior to anything of the sort in the country.

Rutland Statue.—The competition models, according to the *Leicester Journal*, have been received and deposited in the local Assembly-room, for the subscribers' inspection and the committee's decision. Eight sculptors were applied to, four of whom declined to compete, though willing to undertake the commission at the price offered. One, Campbell, declined altogether, being engaged with the Bentinck statue. The models, four in number, were sent by James Westmacott, James Wyatt (two of the four), and Edward Davis.

Railway Compensation Case.—The tenant of the "Neptune" inn, Bradford, had been offered, by the Lancashire and Yorkshire Railway Company, 300*l.* for his interest for seven months in the premises, during a remainder of his lease, including all other claims. The tenant refused this sum, and led evidence in court to the effect that his business yielded a profit of 863*l.* odds (although he only paid income-tax on 160*l.*); that therefore he ought to have 150*l.* as compensation for the goodwill of his business alone, 350*l.* for loss of seven months' business, and 219*l.* for loss on forced sale of furniture, &c.—in all, 719*l.* The magistrates awarded the sum of 200*l.*, without any expenses.

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TO CORRESPONDENTS.

"*Tenders, First Stone Laying, &c.*"—Architects may insure correctness in these and other matters,—the insertion of the architect's name, &c.,—by themselves forwarding to us the necessary information.

Received.—"G. W." (the house in the Butter-market at Ipswich has been often illustrated). "W. F." (we should be glad of an opportunity to look over the sketches quickly: could we have them for a day or two?). "W. W." "R. P." (any article sent with that end in view will be considered). "J. B." (it depends on the terms of the conveyance). "F. W. T." "C. C. C." "F. L." (apply to Mr. Thacke, 17, Bridge-street, Blackfriars). "Dr. C." "J. C." "Old Sub." (we are forced to decline all such requests). "Your Constant Reader." "An Old Subscriber." "Captain D." "J. W. H." (shall be mentioned). "O. S." Colchester (we are forced to decline: take local advice). "Young Plumber" (Laxton's or Skyring's). "Ecclesia" (having seen the church, we adopt his account). "C. D." "X. Y. Z." (we do not intend illustrating the church named). "F. H. M." "J. P. W." "C. W. E. P." "Rusticus in Urbe" (proposal not novel). "F. H. C." "H. N." "S." "La Feu." "An Amateur" (we shall be glad to see the design). "J. W." (quite easy: apply to Secretary at Somerset house). "The Remonder" (we acknowledge the courtesy of tone, but decline controversy). "Essays on the Construction of Farm Buildings and Labourers' Cottages;" by G. A. Dean: London; Simpkin and Marshall.

"*Books and Addresses.*"—We have not time to point out books or find addresses.

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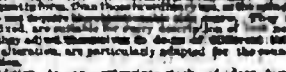

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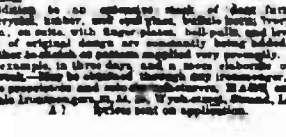

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